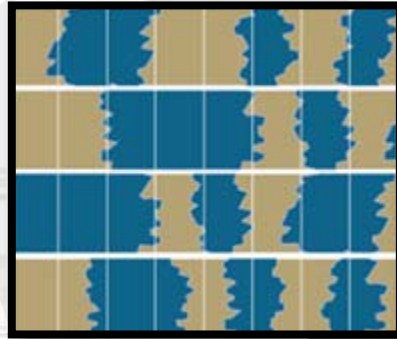# Exhibit A

Part 2

Difficulties Due To Increased Data Density

They both need to be read to produce meaningful information

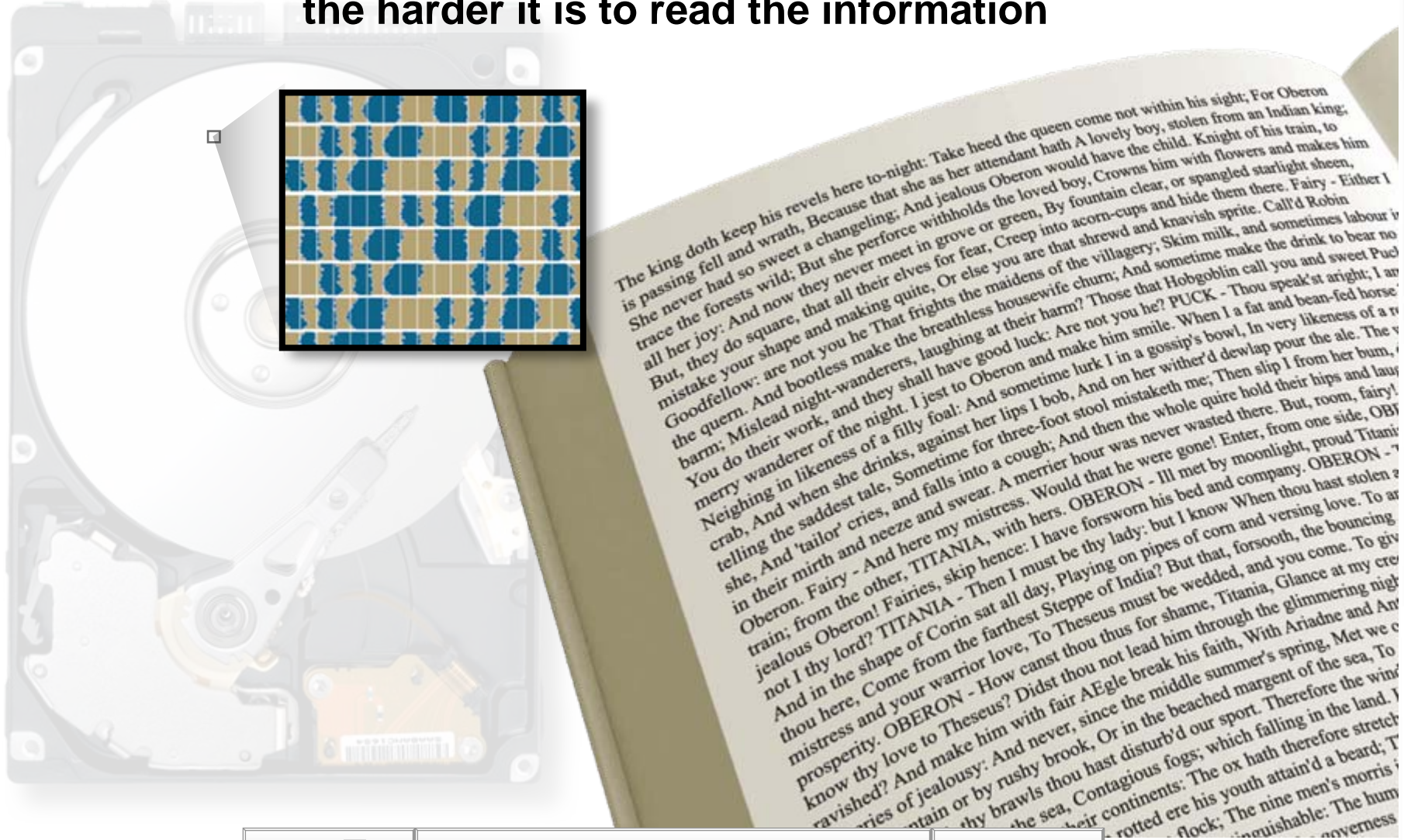**Jagged Transitions**

The king doth keep his revels here to-night: Take heed the queen come not within his sight; For Oberon is passing fell and wrath, Because that she as her attendant hath a lovely boy, stolen from an Indian king; She never had so sweet a changeling; And jealous Oberon would have the child withheld. joy in grov

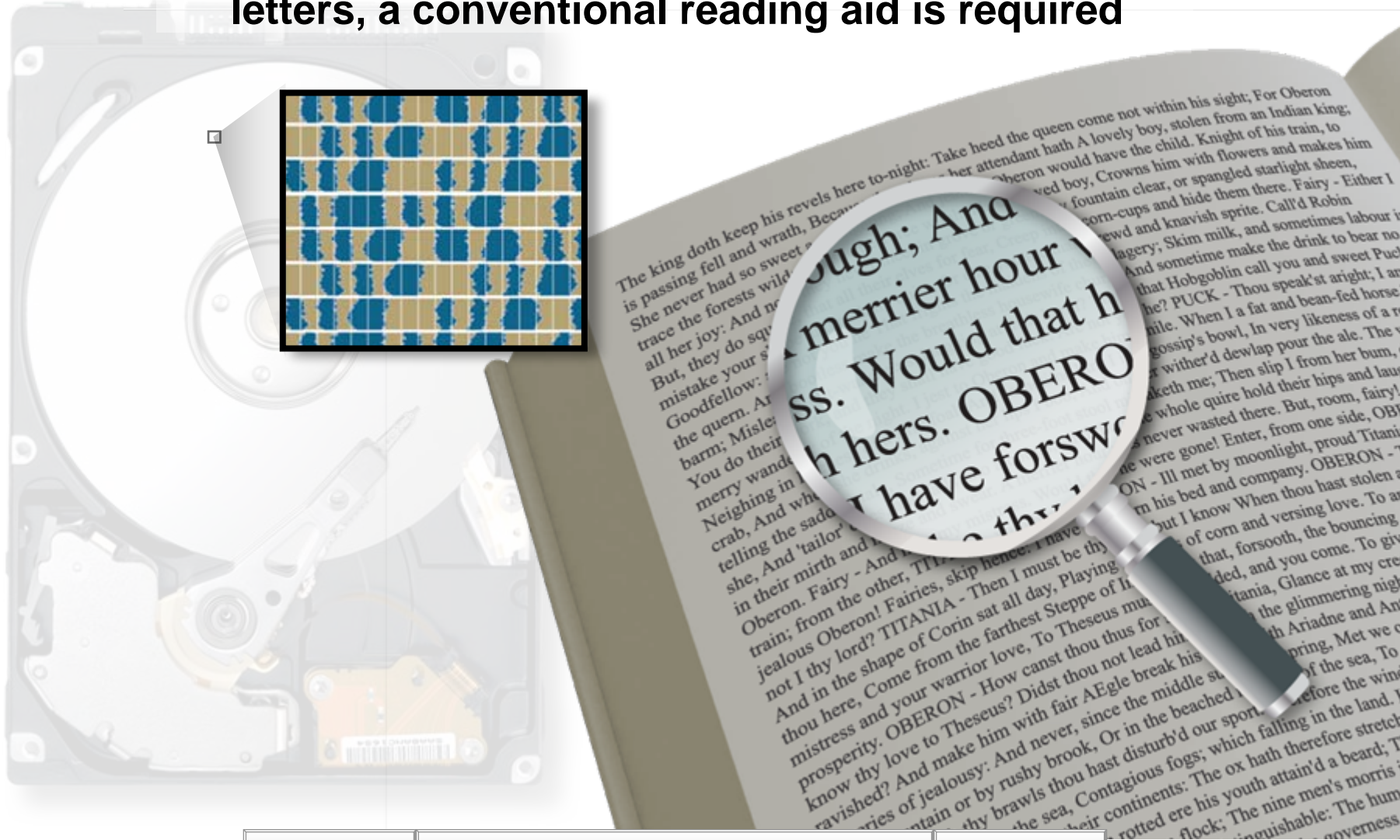# Difficulties Due To Increased Data Density

As the density of the data and letters increase, the harder it is to read the information

Difficulties Due To Increased Data Density

In order to read the smaller more dense data or letters, a conventional reading aid is required
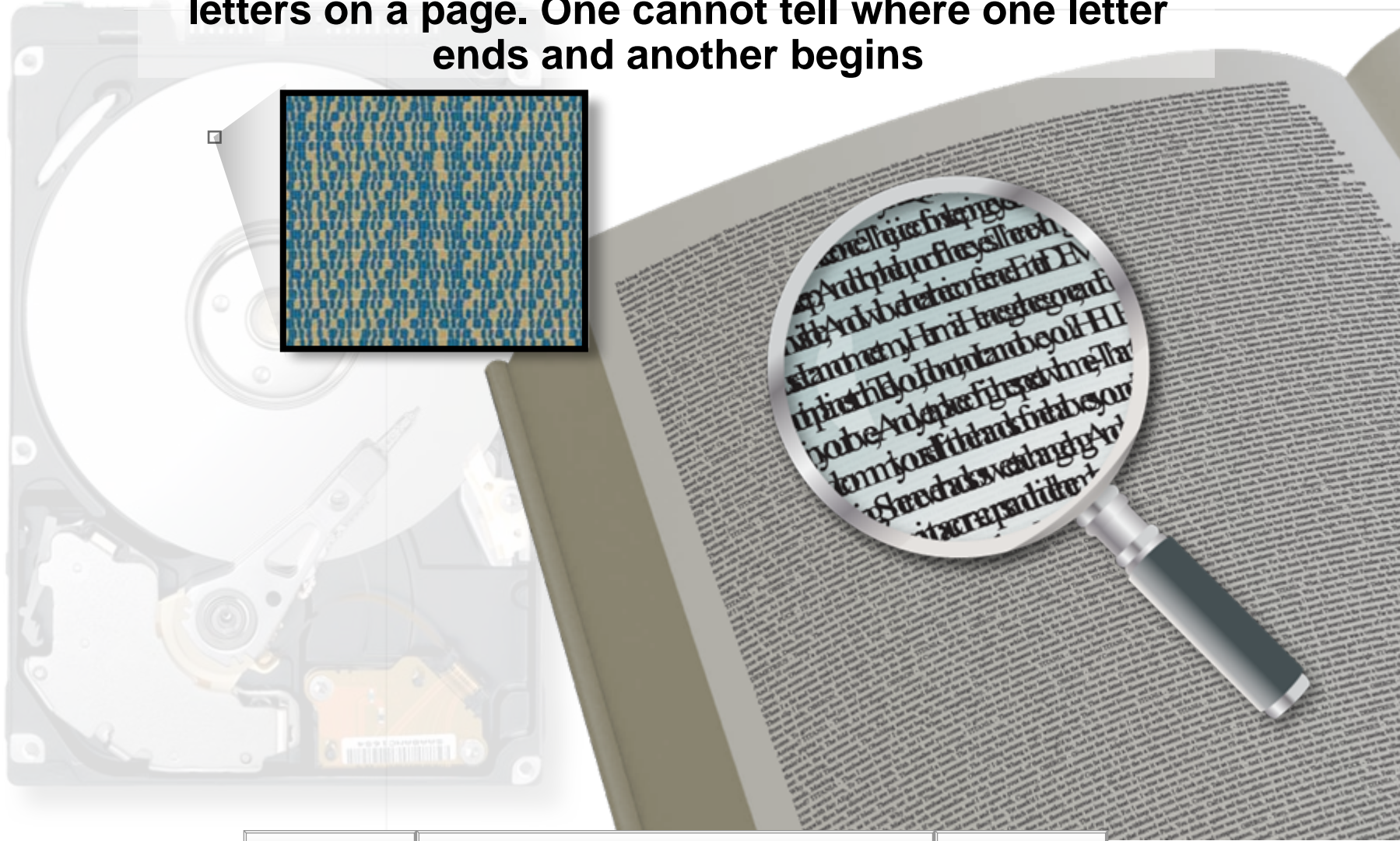
Difficulties Due To Increased Data Density

As one attempts to cram even more content into the same area, conventional reading aids are no longer effective
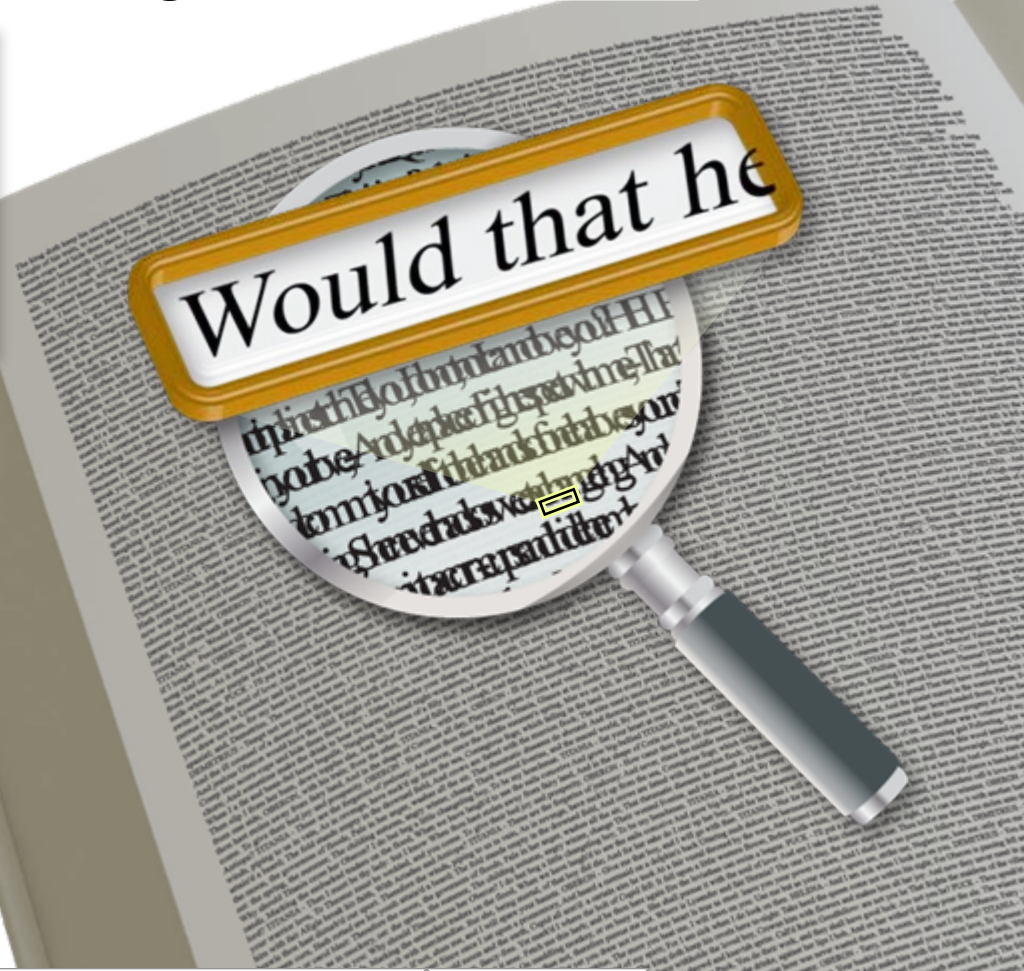
Difficulties Due To Increased Data Density

The interference between the data is like overlapping letters on a page. One cannot tell where one letter ends and another begins

Difficulties Due To Increased Data Density

The Kavcic-Moura Invention, a fundamentally new way to accurately detect data read from computer storage devices
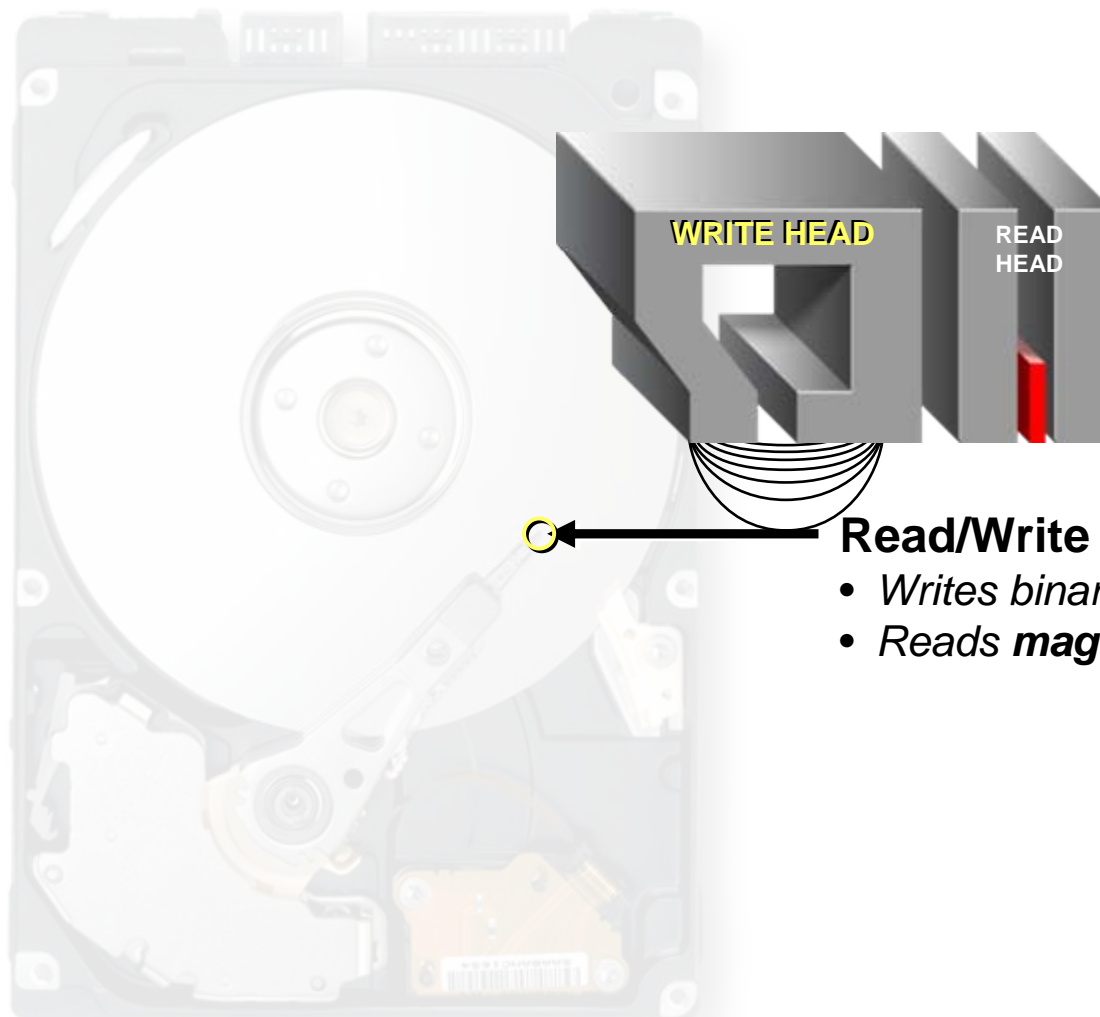
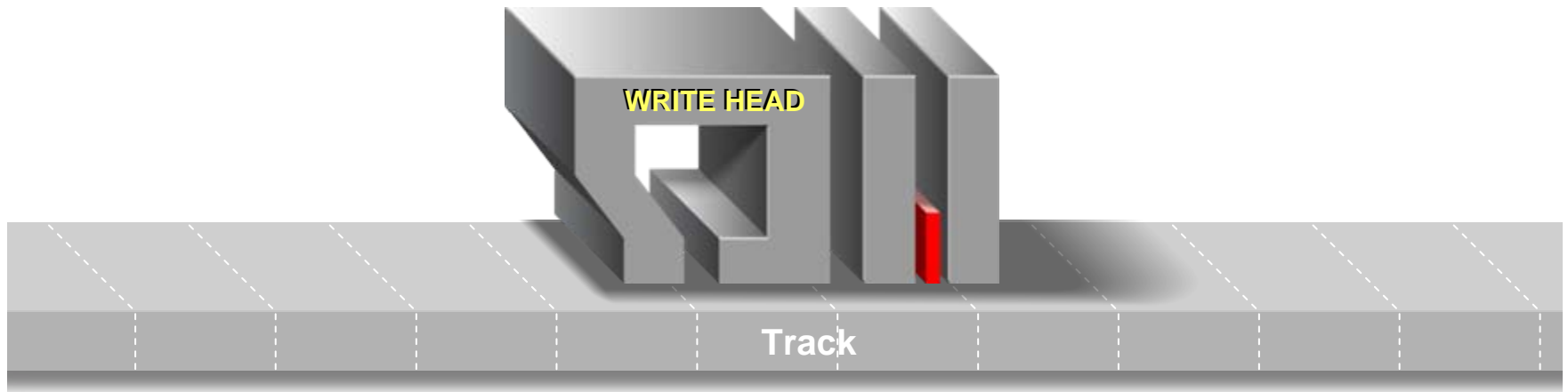# Writing Data to the Hard Disk

Writing Data to the Hard Disk

Read/Write Head
- *Writes binary data as **magnetic bit regions***
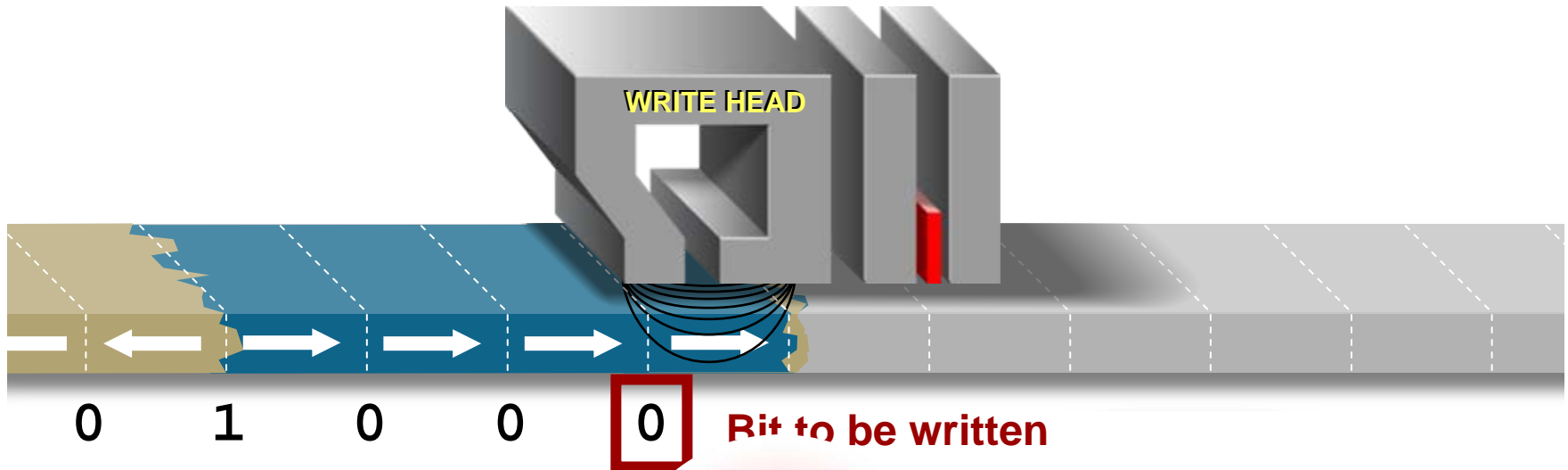- *Reads **magnetic bit regions** from the tracks*

Writing Data to the Hard Disk

WRITE HEAD

READ HEAD

Read/Write Head
- *Writes binary data as **magnetic bit regions***
- *Reads **magnetic bit regions** from the tracks*

Writing Data to the Hard Disk

WRITE HEAD

Track

Writing Data to the Hard Disk

The Write Head generates an alternating magnetic field to set the polarity of each magnetic bit region

WRITE HEAD

0   1   0   0   0   Bit to be written

S ➡ N S ➡ N

repeating polarity = 0
changing polarity = 1

Reading Data on the Hard Disk